



A Donaldson Company

A WORLD LEADER IN FUME  
EXTRACTION TECHNOLOGY

## AD 350 FUME EXTRACTOR

LAST UPDATED ON 01.10.2024

### Fume extraction system for light-duty laser marking, coding and engraving applications.

BOFA's AD 350 fume extraction and filtration system helps to filter fumes and particulates created during the laser marking process. By maintaining a clean operating area, the system helps to protect valuable equipment, maintain a higher quality mark, and reduce the number of rejects and contaminants.

The quiet and compact AD 350 is ideal for use in light-duty laser marking applications, including schools, sign making workshops and small-scale industrial environments.

### Key features

- Blower with high airflow and pressure
- Low-cost replacement filters
- Filter condition indicator
- Low noise levels
- Digital flow control system
- Optional nitrogen dioxide sensor
- Optional VOC gas sensor (Volatile Organic Compound)
- Optional remote stop/start interface
- Optional filter change/system fail signal



DeepPleat  
pre-filter



HEPA  
filter



Advanced  
carbon  
filter (ACF)  
technology



Reverse flow  
air (RFA)  
technology



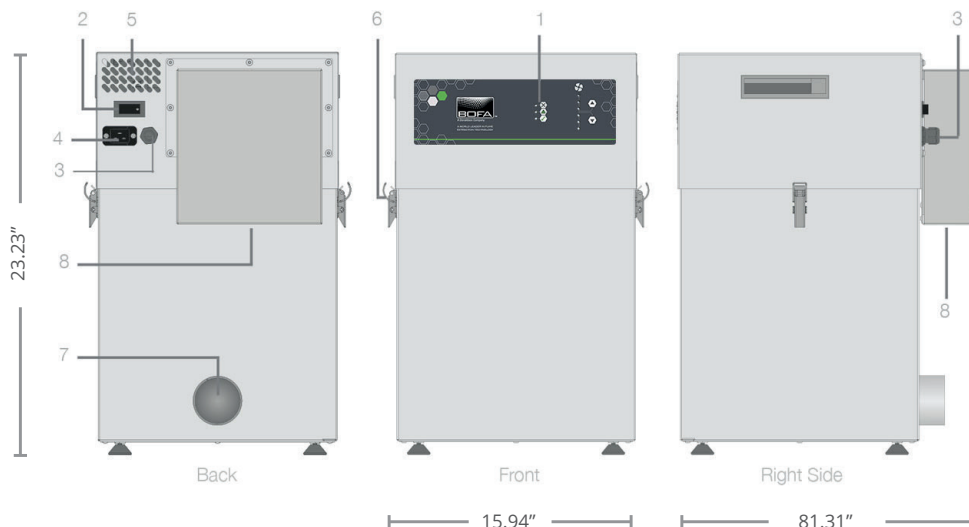
Multi-voltage  
sensing unit  
(MVS)



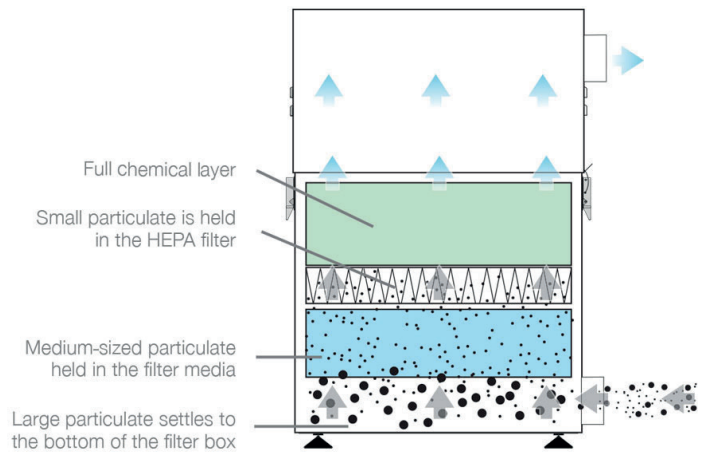
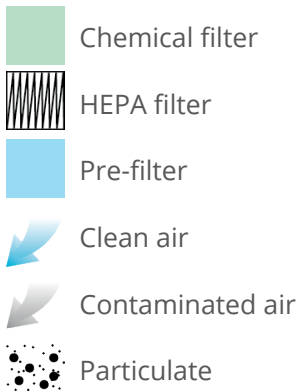
SureCHECK  
quality  
standard

### Technical specification

1. Filter condition display
2. On/off switch
3. Signal/interface cable
4. Power cable inlet
5. Motor cooling inlet
6. Filter latch
7. Hose inlet connection - 100mm
8. Exhaust outlet



## Airflow through filters



## Pre-filter specifications (DeepPleat)

Surface media area	approx 64.5 ft <sup>2</sup>
Filter media	Borosilicate
Filter media construction	100mm (0.32ft) DeepPleat construction with glue bead spacers
Filter efficiency	95% @ 0.3 microns

## Combined HEPA / gas filter specifications

HEPA filter media	Borosilicate
HEPA media construction	Pleated with glue bead spacers
Filter housing	Zintec mild steel
Treated activated carbon	16.53 lbs
Filter efficiency	99.995% @ 0.3 microns

## Part numbers

Model	AD 350 - Powder-coated
Part number	1U30761008-1238
Including 24v stop/start and filter change signal	1U4660761008-1238
Including VOC	1U8130761008-1241
Including 24v stop/start and filter change signal & VOC	1U12780761008-1241
Including 24v stop/start and filter change signal & NOX	1U677682630761008-1238
Optional box vent w/75mm spigot	1UA1060092
Single hose kits	1USHK-AD350-(2,3,4)
Dual hose kits	1UDHK-AD350-(2,3,4)
<b>Replacement filters</b>	
Pre-filter (DeepPleat)	1UA1030056
Combined HEPA / gas filter	1UA1030055
Combined HEPA / gas filter NOX	1UA1030355

## Technical data

Dimensions (HxWxD)	23.23 x 15.94 x 18.31"
Cabinet construction	Brushed stainless steel Powder-coated mild steel
Airflow / pressure	223cfm / 96mbar
Electrical data	100-230v single-phase 1~ 50/60Hz full load current: 12.5 amps / 1.1kw
Noise level	< 62 dBA (at typical operating speed)
Weight (standard extractor with filters)	77lbs (+/- 5%)
Approvals	UKCA, CE and cUL, UL*

Contact BOFA at [donaldsonbofa.com/contact/](https://donaldsonbofa.com/contact/)

Datasheet correct at time of publishing.

Where applicable, the carbon used in BOFA units is capable of removing a wide range of VOCs, however it is the responsibility of the user to ensure the carbon is suitable for their application. For specific applications, please contact us for details.

**Important notice:** Many factors beyond the control of BOFA can affect the use and performance of BOFA products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, product specifications, availability and data are subject to change without notice, and may vary by region or country.

Think before you print! Please consider the environment before printing this document.



Approvals: REACH and RoHS.  
See individual product technical data for specific accreditations

\* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

